T6016 Nitrogen Oxide Monitor

The Industrial Online Nitrogen Monitoring Instrument is a microprocessor-based water quality online monitoring and control device. Equipped with various types of ion electrodes, it is widely used in power plants, petrochemical industries, metallurgical electronics, mining, papermaking, bioprocessing, pharmaceuticals, food and beverage, and environmental water treatment. It continuously monitors and controls the ion concentration levels in aqueous solutions.

Instrument Features:

●Large-screen color LCD display

●Intuitive menu navigation

●Data logging & curve display

●Multiple automatic calibration functions

●Differential signal measurement mode for stable and reliable performance

●Manual and automatic temperature compensation

●Three sets of relay control switches

●High limit, low limit, and hysteresis control

●Multiple output options: 4-20mA & RS485

●Simultaneous display of ion concentration, temperature, current, etc.

●Password protection configurable to prevent unauthorized operation

Specifications:

(1) Measurement Range (based on electrode range):
Concentration: 0.4 to 62,000 mg/L
(Solution pH: 2.5-11 pH);
Temperature: -10 to 150.0°C;
(2) Resolution:
Concentration: 0.01/0.1/1 mg/L;
Temperature: 0.1°C;
(3) Basic Error:
Concentration: ±5-10% (based on electrode range);
Temperature: ±0.3°C;
(4) Dual Current Output:
0/4–20mA (load resistance <750Ω);
20–4mA (load resistance <750Ω);
(5) Communication Output: RS485 MODBUS RTU;
(6) Three Sets of Relay Control Contacts:
5A 250VAC, 5A 30VDC;
(7) Power Supply (Optional):
85–265VAC ±10%, 50±1Hz, Power ≤3W;
9–36VDC, Power: ≤3W;
(8) Dimensions: 144×144×118mm;
(9) Mounting Options: Panel-mounted, wall-mounted, conduit-mounted;
Panel cutout size: 137×137mm;
(10) Protection Rating: IP65;
(11) Instrument Weight: 0.8kg;
(12) Instrument operating environment:
Ambient temperature: -10 to 60°C;
Relative humidity: ≤90%;
No strong magnetic field interference except for the Earth's magnetic field.